

CLAIMS

*Sub  
Cl  
Sul  
X*

1. A printer comprising:  
a printing unit for printing image on a sheet of paper;  
a guide path for guiding the sheet of paper along a path of which the printing unit is disposed;  
a rotating member disposed in the guide path and contributes to carry the sheet of paper; and  
a removing member which is in contact with the periphery of the rotating member and rotates so as to spread ink transferred to the rotating member so that the removing member removes a part of the ink from the rotating member.

2. A printer according to claim 1, wherein the removing member is a removing roller.

3. A printer according to claim 2, wherein the removing roller rotates in accordance with the rotation of the rotating member rotates.

4. A printer according to claim 1, wherein a plurality of removing members are provided for one rotating member.

5. A printer according to claim 1, further comprising an auxiliary removing member which rotates while being in contact with the periphery of the removing member.
6. A printer according to claim 1, further comprising a cleaning unit for cleaning the periphery of the removing member.
7. A printer according to claim 5, further comprising a cleaning unit for cleaning the periphery of the auxiliary removing member.
8. A printer according to claim 1, wherein the removing member is a belt-like removing belt.
9. A printer according to claim 8, wherein the removing belt runs around as the rotating member rotates.
10. A printer according to claim 1, wherein the rotating member is a pair of resist rollers.
- ~~Sub 13~~ 11. A printer according to claim 10, wherein the resist rollers are rotated not only at the time of conveying a printed sheet.

*Conventional*

12. A printer according to claim 10, wherein the printer is a stencil printer having a master making mechanism, and the pair of resist rollers is rotated at the time of making a master by the master making mechanism.

13. A printer according to claim 10, further comprising:

a feed pressure adjusting mechanism for varying a feed pressure of the pair of resist rollers while a sheet of paper is conveyed by the pair of resist rollers;

a driving source for driving the feed pressure adjusting mechanism; and

means for driving the driving source so as to increase the feed pressure of the pair of resist rollers when the pair of resist rollers starts conveying the sheet of the paper and so as to decrease the feed pressure of the pair of resist rollers after starting up the paper conveying operation.

14. A printer according to claim 11, further comprising:

a feed pressure adjusting mechanism for varying a

feed pressure of the pair of resist rollers while a sheet of paper is conveyed by the pair of resist rollers;

a driving source for driving the feed pressure adjusting mechanism; and

means for driving the driving source so as to increase the feed pressure of the pair of resist rollers when the pair of resist rollers starts conveying the sheet of the paper and so as to decrease the feed pressure of the pair of resist rollers after starting up the paper conveying operation.

15. A printer according to claim 12, further comprising:

a feed pressure adjusting mechanism for varying a feed pressure of the pair of resist rollers while a sheet of paper is conveyed by the pair of resist rollers;

a driving source for driving the feed pressure adjusting mechanism; and

means for driving the driving source so as to increase the feed pressure of the pair of resist rollers when the pair of resist rollers starts conveying the sheet of the paper and so as to decrease the feed pressure of the pair of resist rollers after starting up

the paper conveying operation.

16. A printer according to claim 13, 14 or 15, wherein the feed pressure adjusting mechanism includes a spring for urging at least one of the pair of resist rollers toward the other roller and a mechanism for varying the urging force by the spring.

17. A printer comprising:

a printing unit for printing image on a sheet of paper;  
a guide path for guiding the sheet of paper along a path of which the printing unit is disposed; and  
rotating members for conveying the sheet of paper which are disposed so as to face each other via the guide path and rotate so that the rotating members contribute to convey a sheet of paper, and the periphery of one of the rotating members is made of a material to which ink is not easily adhered.

18. A printer comprising:

a printing unit for printing image on a sheet of paper;  
a guide path for guiding the sheet of paper along a path of which the printing unit is disposed;

a pair of first and second resist rollers disposed upstream of the printing unit via the guide path, the periphery of the first resist roller being made of a material to which ink is not easily adhered and the periphery of the second resist roller being made of a material having elasticity to assure a paper conveying force;

another pair of first and second resist rollers disposed upstream of the printing unit via the guide path, the periphery of the first resist roller being made of a material to which ink is not easily adhered and the periphery of the second resist roller being made of a material having elasticity to assure a paper conveying force, the disposed positions of the first and second resist rollers with respect to the guide path as a center being opposite to those of the foregoing pair of resist rollers;

a switching mechanism for allowing the first resist roller and the second resist roller in each of the pairs of resist rollers to come into contact with or move away from each other;

a driving source for driving the switching mechanism; and

means for controlling the driving source so that the first and second resist rollers in one of the pairs

of resist rollers come into contact with each other and the first and second resist rollers in the other pair are moved apart from each other.

19. A printer according to claim 18, wherein the switching mechanism includes a spring for urging at least one of the rollers of the pair of resist rollers toward the other roller and a cam for moving the rollers of the pair so as to be apart from each other.

20. A printer comprising:

- a printing unit for printing image on a sheet of paper;
- a guide path for guiding the sheet of paper along a path of which the printing unit is disposed;
- a pair of first and second resist rollers which are disposed upstream of the printing unit via the guide path, the periphery of the first resist roller being made of a material to which ink is not easily adhered and the periphery of the second resist roller being made of a material having elasticity to assure a paper conveying force;
- a rotation switching mechanism for rotatably and integrally supporting the pair of resist rollers so that the first and second resist rollers are disposed in

opposite positions with respect to the guide path as a center by rotation;

a driving source for driving the switching mechanism; and

means for controlling the driving source.